

[IMAGE AVAILABLE]

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- 6. 5,093,081, Mar. 3, 1992, Dry-type analytical element for immunoassay; Yukio Sudo, et al., **422/56**, **55**, **57**; 435/7.1 [IMAGE AVAILABLE]
- 7. 4,999,285, Mar. 12, 1991, Chromatographic **cassette**; S. Nicholas Stiso, 435/7.9; 210/95, 198.3, 658; **422/56**, **58**, **70**; 435/7.7, 7.91, 7.92, 810; 436/162, 514 [IMAGE AVAILABLE]
- 8. 4,863,689, Sep. 5, 1989, Apparatus for the detection of **chemiluminescence**; Merlin L. Leong, et al., **422/52**; 250/361C; **422/61**, **82.08**; **102**; 435/8, 35, 288.7; 436/135, 172, 546 [IMAGE AVAILABLE]
- 9. 4,719,087, Jan. 12, 1988, Tray for analyzing system; Richard W. Hanaway, **422/102**, **104**, **942** [IMAGE AVAILABLE]
- 10. 4,681,741, Jul. 21, 1987, Reagent dispenser for an analyzing system; Richard W. Hanaway, **422/100**; 73/863.32, 864.17, 864.87; 222/137, 144, 144.5; **422/63** [IMAGE AVAILABLE]
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- 12. 4,643,879, Feb. 17, 1987, Tower for analyzing system; Richard W. Hanaway, **422/104**; 211/126, 133; 312/209; **422/63**; **65**; **102** [IMAGE AVAILABLE]
- 13. 4,612,289, Sep. 16, 1986, Method for analyzing liquid sample; Yoshiteru Furuta, et al., 436/34; **422/64**; 435/805; 436/45, 50, 164 [IMAGE AVAILABLE]
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- 15. 4,328,185, May 4, 1982, Automated chemical testing apparatus; Robert Reasons, et al., **422/82**; **81** [IMAGE AVAILABLE]
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=> s 422/clas
L9 48142 422/CLAS
=> s 435/clas
L10 35765 435/CLAS
=> s 436/clas
L11 16760 436/CLAS
=> s Apparatus and 17
 791267 APPARATUS

=> s 112 and 19
L13 444 L12 AND L9
=> s 113 and binding
88793 BINDING
L14 155 L13 AND BINDING
=> s 114 and electrode#

192074 ELECTRODE#
L15 45 L14 AND ELECTRODE#
=> s electrochemiluminescence
L16 31 ELECTROCHEMILUMINESCENCE
=> s 145 and 116
'L45' NOT FOUND
=> s 115 and 116
L17 10 L15 AND L16
=> d 117 1-10

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2. 5,543,112, Aug. 6, 1996, **Apparatus** and methods for carrying out **electrochemiluminescence** test measurements; Ali Ghead, et al., **422/52**; 250/361C; 324/71.1; **422/81** [IMAGE AVAILABLE]
3. 5,541,113, Jul. 30, 1996, Method for detecting an analyte using an electrochemical luminescent transition metal label; Iqbal W. Siddigi, et al., 436/56; **422/52**, **82.05**, **82.06**, **82.08**; 436/164, 172 [IMAGE AVAILABLE]
4. 5,538,687, Jul. 23, 1996, **Apparatus** for generating optically detectable signals by applying electrical potentials to sample liquids; Holger Kotzan, et al., **422/52**; 250/361C; **422/82.05** [IMAGE AVAILABLE]
5. 5,527,710, Jun. 18, 1996, Rate measurements of biomolecular reactions using **electrochemiluminescence**; Laurette Nacamulli, et al., 436/517; **422/52**, **82.01**, **82.05**, **82.08**; 435/4, 6, 7.1, 7.5; 436/149, 172, 501, 536, 537, 544, 546 [IMAGE AVAILABLE]
6. 5,466,416, Nov. 14, 1995, **Apparatus** and methods for carrying out **electrochemiluminescence** test measurements; Ali Ghaed, et al., **422/52**; 250/361C, 362, 369; 324/71.1; **422/81**, **82.08**, **82.09**; 435/808 [IMAGE AVAILABLE]
7. 5,310,687, May 10, 1994, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., 436/518; **422/50**, **52**, **82.05**, **82.08**; 435/4, 5, 6, 7.1; 436/512, 519, 525, 536, 537, 544, 546, 548, 904, 905; 544/225; 546/2 [IMAGE AVAILABLE]
8. 5,147,806, Sep. 15, 1992, Method and **apparatus** for conducting **electrochemiluminescence** measurements; Ralph A. Kamin, et al., 436/149; **422/52**, **81**; 435/808; 436/172 [IMAGE AVAILABLE]
9. 5,093,268, Mar. 3, 1992, **Apparatus** for conducting a plurality of simultaneous measurements of electrochemiluminescent phenomena; Nicholas Leventis, et al., 436/172; 250/361C, 362, 459.1, 484.2; **422/52**, **68.1**, **82.07**, **82.08** [IMAGE AVAILABLE]

10. 5,061,445, Oct. 29, 1991, **Apparatus** for conducting measurements of electrochemiluminescent phenomena; Glenn Zoski, et al., **422/52**; 250/361C; 327/172, 514 [IMAGE AVAILABLE]

=> s kit# and 116

24037 KIT#

L18 7 KIT# AND L16

=> s 118 and 19

L19 2 L18 AND L9

=> d 119 1,2

1. 5,541,113, Jul. 30, 1996, Method for detecting an analyte using an electrochemical luminescent transition metal label; Iqbal W. Siddigi, et al., 436/56; **422/52**, **82.05**, **82.06**, **82.08**; 436/164, 172 [IMAGE AVAILABLE]

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=> s System and 17

1006266 SYSTEM

L20 5335 SYSTEM AND L7

=> s 120 and 116

L21 29 L20 AND L16

=> s 121 and 19

L22 14 L21 AND L9

=> d 122 1-14

1. 5,610,075, Mar. 11, 1997, Competitive **electrochemiluminescence** assays for endotoxins using a ruthenium label; Marianne Stahl-Rees, 436/501; **422/52**; 436/149; 514/15 [IMAGE AVAILABLE]

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electrochemiluminescence test measurements; Ali Ghaed, et al., **422/52**; 250/361C, 362, 369; 324/71.1; **422/81**, **82.08**, **82.09**; 435/808 [IMAGE AVAILABLE]

8. 5,310,687, May 10, 1994, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., 436/518; **422/50**, **52**, **82.05**, **82.08**; 435/4, 5, 6, 7.1; 436/512, 519, 525, 536, 537, 544, 546, 548, 904, 905; 544/225; 546/2 [IMAGE AVAILABLE]

9. 5,296,191, Mar. 22, 1994, Method and apparatus for conducting electrochemiluminescent measurements; Lee O. Hall, et al., **422/52**; 250/361C; 324/71.1; 436/172 [IMAGE AVAILABLE]

10. 5,247,243, Sep. 21, 1993, Method and apparatus for conducting electrochemiluminescent measurements; Lee O. Hall, et al., 324/71.1; 250/361C; **422/52**; 436/172 [IMAGE AVAILABLE]

11. 5,147,806, Sep. 15, 1992, Method and apparatus for conducting **electrochemiluminescence** measurements; Ralph A. Kamin, et al., 436/149; **422/52**, **81**; 435/808; 436/172 [IMAGE AVAILABLE]

12. 5,093,268, Mar. 3, 1992, Apparatus for conducting a plurality of simultaneous measurements of electrochemiluminescent phenomena; Nicholas Leventis, et al., 436/172; 250/361C, 362, 459.1, 484.2; **422/52**, **68.1**; **82.07**; **82.08** [IMAGE AVAILABLE]

13. 5,068,088, Nov. 26, 1991, Method and apparatus for conducting electrochemiluminescent measurements; Lee O. Hall, et al., **422/52**; 250/361C; 313/498; 324/94; 327/100 [IMAGE AVAILABLE]

14. 5,061,445, Oct. 29, 1991, Apparatus for conducting measurements of electrochemiluminescent phenomena; Glenn Zoski, et al., **422/52**; 250/361C; 327/172, 514 [IMAGE AVAILABLE]

=> s 116 and 110

L23 14 L16 AND L10

=> d 123 1-14

1. 5,610,017, Mar. 11, 1997, Method for conducting a polymerase chain reaction using an improved electrochemiluminescent label; Satyanarayana R. Gudibande, et al., **435/6**; 428/917; **435/91.1**; **91.2**; **183**; 436/94, 800, 805, 905; 536/23.1, 24.32, 24.33, 25.3; 935/77, 78 [IMAGE AVAILABLE]

2. 5,597,910, Jan. 28, 1997, Electrochemiluminescent label for DNA probe assays; Satyanarayana R. Gudibande, et al., 536/24.3; 250/361C; 252/301.16; **435/6**; **91.1**; 436/800, 801; 536/25.3, 25.32 [IMAGE AVAILABLE]

3. 5,595,878, Jan. 21, 1997, Detection of biopolymers and biooligomers with boron hydride labels; Anup Sood, et al., **435/6**; 514/64 [IMAGE AVAILABLE]

4. 5,591,581, Jan. 7, 1997, Electrochemiluminescent rhenium moieties and methods for their use; Richard J. Massey, et al., **435/6**; **5**; **7.2**; **235.1**; **325**; **410**; 436/537; 530/350, 400; 546/2; 556/45, 46, 49 [IMAGE AVAILABLE]

5. 5,589,136, Dec. 31, 1996, Silicon-based sleeve devices for chemical

réactions; M. Allen Northrup, et al., 422/102, 82.05, 82.09, 129, 131; **435/285.1**, **292.1** [IMAGE AVAILABLE]

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7. 5,510,262, Apr. 23, 1996, Cell-culturing apparatus and method employing a macroporous support; Gregory Stephanopoulos, et al., **435/403**, **297.2**, **299.1** [IMAGE AVAILABLE]

8. 5,466,416, Nov. 14, 1995, Apparatus and methods for carrying out **electrochemiluminescence** test measurements; Ali Ghaed, et al., 422/52; 250/361C, 362, 369; 324/71.1; 422/81, 82.08, 82.09; **435/808** [IMAGE AVAILABLE]

9. 5,453,356, Sep. 26, 1995, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., **435/6**, **7.1**, **7.2**, **7.31**; 436/84, 172, 500, 501, 517, 518, 536, 544, 547, 548, 805, 806 [IMAGE AVAILABLE]

10. 5,310,687, May 10, 1994, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., 436/518; 422/50, 52, 82.05, 82.08; **435/4**, **5**, **6**, **7.1**; 436/512, 519, 525, 536, 537, 544, 546, 548, 904, 905; 544/225; 546/2 [IMAGE AVAILABLE]

11. 5,262,320, Nov. 16, 1993, Cell-culturing apparatus and method employing a macroporous support; Gregory Stephanopoulos, et al., **435/403**, **297.2**, **299.1** [IMAGE AVAILABLE]

12. 5,238,808, Aug. 24, 1993, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., **435/4**, **5**, **6**, **7.1**; 436/500, 543, 805, 806; 530/391.5, 402; 544/225; 546/2, 10, 12; 548/101, 109 [IMAGE AVAILABLE]

13. 5,221,605, Jun. 22, 1993, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., **435/4**, **5**, **6**, **7.1**; 436/500, 543, 805, 806; 530/391.5, 402; 544/225; 546/2, 10, 12; 548/101, 109 [IMAGE AVAILABLE]

14. 5,147,806, Sep. 15, 1992, Method and apparatus for conducting **electrochemiluminescence** measurements; Ralph A. Kamin, et al., 436/149; 422/52, 81; **435/808**; 436/172 [IMAGE AVAILABLE]

=> s 116 and 111

L24 15 L16 AND L11

=> d 124 1-15

1. 5,610,075, Mar. 11, 1997, Competitive **electrochemiluminescence** assays for endotoxins using a ruthenium label; Marianne Stahl-Rees, **436/501**; 422/52; **436/149**; 514/15 [IMAGE AVAILABLE]

2. 5,610,017, Mar. 11, 1997, Method for conducting a polymerase chain reaction using an improved electrochemiluminescent label; Satyanarayana R. Gudibande, et al., 435/6; 428/917; 435/91.1, 91.2, 183; **436/94**, **800**, **805**, **905**; 536/23.1, 24.32, 24.33, 25.3; 935/77, 78 [IMAGE AVAILABLE]

3. 5,597,910, Jan. 28, 1997, Electrochemiluminescent label for DNA probe assays; Satyanarayana R. Gudibande, et al., 536/24.3; 250/361C; 252/301.16; 435/6, 91.1; **436/800**, **801**; 536/25.3, 25.32 [IMAGE AVAILABLE]

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5. 5,541,113, Jul. 30, 1996, Method for detecting an analyte using an electrochemical luminescent transition metal label; Iqbal W. Siddigi, et al., **436/56**; 422/52, 82.05, 82.06, 82.08; **436/164**, **172** [IMAGE AVAILABLE]

6. 5,527,710, Jun. 18, 1996, Rate measurements of biomolecular reactions using **electrochemiluminescence**; Laurette Nacamulli, et al., **436/517**; 422/52, 82.01, 82.05, 82.08; 435/4, 6, 7.1, 7.5; **436/149**, **172**, **501**, **536**, **537**, **544**, **546** [IMAGE AVAILABLE]

7. 5,453,356, Sep. 26, 1995, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., 435/6, 7.1, 7.2, 7.31; **436/84**, **172**, **500**, **501**, **517**, **518**, **536**, **544**, **547**, **548**, **805**, **806** [IMAGE AVAILABLE]

8. 5,310,687, May 10, 1994, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., **436/518**; 422/50, 52, 82.05, 82.08; 435/4, 5, 6, 7.1; **436/512**, **519**, **525**, **536**, **537**, **544**, **546**, **548**, **904**, **905**; 544/225; 546/2 [IMAGE AVAILABLE]

9. 5,296,191, Mar. 22, 1994, Method and apparatus for conducting electrochemiluminescent measurements; Lee O. Hall, et al., 422/52; 250/361C; 324/71.1; **436/172** [IMAGE AVAILABLE]

10. 5,247,243, Sep. 21, 1993, Method and apparatus for conducting electrochemiluminescent measurements; Lee O. Hall, et al., 324/71.1; 250/361C; 422/52; **436/172** [IMAGE AVAILABLE]

11. 5,240,863, Aug. 31, 1993, Method of measuring immunoreactant using **electrochemiluminescence**; Akira Shibue, et al., **436/526**, **518**, **524**, **525**, **527**, **531**, **532**, **533**, **534** [IMAGE AVAILABLE]

12. 5,238,808, Aug. 24, 1993, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., 435/4, 5, 6, 7.1; **436/500**, **543**, **805**, **806**; 530/391.5, 402; 544/225; 546/2, 10, 12; 548/101, 109 [IMAGE AVAILABLE]

13. 5,221,605, Jun. 22, 1993, Luminescent metal chelate labels and means for detection; Allen J. Bard, et al., 435/4, 5, 6, 7.1; **436/500**, **543**, **805**, **806**; 530/391.5, 402; 544/225; 546/2, 10, 12; 548/101, 109 [IMAGE AVAILABLE]

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15. 5,093,268, Mar. 3, 1992, Apparatus for conducting a plurality of simultaneous measurements of electrochemiluminescent phenomena; Nicholas Leventis, et al., **436/172**; 250/361C, 362, 459.1, 484.2; 422/52, 68.1, 82.07, 82.08 [IMAGE AVAILABLE]

=> s binding (P)domain#

88793 BINDING

29459 DOMAIN#

L25 2224 BINDING (P) DOMAIN#

=> s 125 and 19

L26 24 L25 AND L9

=> s 126 and 110

L27 20 L26 AND L10

=> s 127 and 111

L28 17 L27 AND L11

=> d 128 1-17

1. 5,622,872, Apr. 22, 1997, Analyte detection through observed optical modulation of polymerized lipid layers; Hans O. Ribi, **436/518**; 204/403; **422/82.08**, **82.09**; **435/7.1**; **7.5**; **288.7**; **436/532** [IMAGE AVAILABLE]

2. 5,597,700, Jan. 28, 1997, Method for detecting free insulin-like growth-factor-binding protein 1 and a test device for detecting the ruptures of fetal membranes using the above method; Alexander Konstantinov, et al., **435/7.92**; **422/56**; **58**; **60**; **435/7.94**; **967**; **969**; **970**; **436/518**; **530**; **810**; 530/388.24 [IMAGE AVAILABLE]

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4. 5,541,059, Jul. 30, 1996, Immunoassay device having an internal control of protein A and methods of using same; Albert E. Chu, **435/5**; **422/56**; **57**; **58**; **61**; **435/7.2**; **7.32**; **7.34**; **7.9**; **7.92**; **7.93**; **7.94**; **287.2**; **805**; **810**; **967**; **973**; **436/169**; **512**; **513**; **518**; **525**; **531**; **534**; **810** [IMAGE AVAILABLE]

5. 5,492,840, Feb. 20, 1996, Surface plasmon resonance sensor unit and its use in biosensor systems; Magnus Malmqvist, et al., **436/518**; 356/317, 318, 445; 385/12; **422/82.05**; **82.11**; **435/808**; **436/164**; **524**; **525**; **527**; **528**; **529**; **530**; **531**; **805**; **819** [IMAGE AVAILABLE]

6. 5,491,097, Feb. 13, 1996, Analyte detection with multilayered bioelectronic conductivity sensors; Hans O. Ribi, et al., **436/518**; **422/82.01**; **82.02**; **82.03**; **82.06**; **435/7.1**; **7.5**; **7.92**; **436/501**; **527**; **531**; **806** [IMAGE AVAILABLE]

7. 5,468,650, Nov. 21, 1995, Class microfiber histamine assay device; Per Stahl Skov, et al., **436/527**; **422/57**; **58**; **61**; 427/180, 189, 196, 215, 220; **435/7.1**; **287.1**; **287.9**; **288.4**; **810**; **962**; **436/518** [IMAGE AVAILABLE]

8. 5,378,638, Jan. 3, 1995, Analysis element and process for its manufacture; Rolf Deeg, et al., **436/518**; 347/1; **422/57**, **58**, **61**; 427/258, 286, 338, 414; **435/7.5**, **287.2**, **287.9**, **288.3**, **805**, **810**, **969**, **970**; **436/164**, **514**, **531**, **805**, **807**, **809**, **810** [IMAGE AVAILABLE]

9. 5,374,395, Dec. 20, 1994, Diagnostics instrument; David Robinson, et al., **422/64**, **61**, **63**, **65**, **67**, **82.08**, **100**, **102**; **435/287.2**, **287.3**, **288.7**; **436/43**, **47**, **48**, **49**, **164**, **165**, **166**, **172**, **174**, **180** [IMAGE AVAILABLE]

10. 5,200,312, Apr. 6, 1993, Membrane based dot immunoassay and method of use; John J. Oprandy, **435/5**; **422/57**; 427/2.13; **435/7.2**, **7.32**, **7.94**; **970**; **436/531**, **810** [IMAGE AVAILABLE]

11. 5,177,021, Jan. 5, 1993, Element for immunoassay and process of using the same; Asaji Kondo, **436/518**; **422/56**, **58**, **82.09**, **99**; **435/7.92**, **7.93**, **7.94**, **7.95**, **969**, **970**; **436/535**, **538**, **807**, **810** [IMAGE AVAILABLE]

12. 5,156,810, Oct. 20, 1992, Biosensors employing electrical, optical and mechanical signals; Hans O. Ribi, **422/82.01**; 204/403; **422/82.02**, **82.06**; **435/287.2**, **287.9**; **436/501**, **527**, **531**, **806** [IMAGE AVAILABLE]

13. 5,030,565, Jul. 9, 1991, Polypeptide-induced monoclonal receptors to protein ligands; Henry L. Niman, et al., 530/387.7; **422/61**; **435/70.21**, **172.2**, **331**; **436/548**, **813**; 530/324, 325, 326, 327, 328, 329, 387.9, 388.85, 413 [IMAGE AVAILABLE]

14. 5,015,586, May 14, 1991, Method and apparatus useful in geochemical exploration for petroleum oils; Shawn R. T. Severn, et al., **436/29**; **422/61**; **435/9**; **810**; **436/30**; **31** [IMAGE AVAILABLE]

15. 4,968,604, Nov. 6, 1990, Method and test kit for detection of antibodies; Shannon M. Beatty, **435/7.92**; **422/56**, **61**; **435/805**; **436/530**, **531**, **808**, **809**, **810** [IMAGE AVAILABLE]

16. 4,868,106, Sep. 19, 1989, Analytical element and method for determining a component in a test sample; Tsukasa Ito, et al., **435/7.7**; **422/56**, **57**; **435/7.5**, **7.71**, **7.72**; **7.8**; **7.92**, **7.94**; **805**, **968**; **436/501**, **518**; **524**; **527**; **528**; **529**; **530**; **531**; **800**; **810**; **827**; **828** [IMAGE AVAILABLE]

17. 4,514,508, Apr. 30, 1985, Assaying for a multiplicity of antigens or antibodies with a detection compound; Steven Hirschfeld, **436/518**; **422/61**; **435/7.92**; **966**; **973**; **975**; **436/519**; **531**; **808**; **809**; **821** [IMAGE AVAILABLE]

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